



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

February 24, 2011

Sent Via US Mail and Via Email – Charlie.Brushwood@DavidsonCountyNC.gov

Mr. Charles Brushwood
Solid Waste Director
Davidson County Integrated Solid Waste Management
1242 Old U.S. Highway 29
Thomasville, NC 27360

**Re: *Final Soil Analytical Results - Leachate Release Compliance Order-July 2009*
Davidson County Landfill
Solid Waste Permit #29-06**

Dear Mr. Brushwood:

The Solid Waste Section has completed a review of the *Final Soil Analytical Results - Leachate Release Compliance Order-July 2009* dated January 4, 2011(Doc ID 12870) submitted on behalf of Davidson County by RSG for the Davidson County Landfill. The response was submitted pursuant to a Compliance Order issued by the Division of Waste Management, Solid Waste Section on July 15, 2009, the *Soil Analytical Results - Leachate Release Compliance Order* report dated November 6, 2009, and the Solid Waste Section letter dated November 19, 2009.

In response to the elevated phosphorus concentrations within the soil samples collected at the facility, the County established a grass cover crop in those areas with the elevated phosphorus concentrations. A soil sample was collected from this area on September 9, 2010 for phosphorus to evaluate the effectiveness of this strategy. Two additional soil samples were collected from this area on November 2, 2010. The analytical results indicated that phosphorus was detected between 0 and 4 mg/kg. Therefore a large decrease in concentration of phosphorus has occurred at the facility since samples were collected in 2009. Per the *Final Soil Analytical Results-Leachate Release Compliance Order-July 2009*, based upon this information, the County recommends that no further action is required in response to the leachate release of June 2009 at this time.

As a result, based upon the sampling results from the environmental assessment for the June 2009 leachate release, there appears to be no residual contamination from the June 2009 leachate release that occurred at the facility at this time.

If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or by email at jaclynne.drummond@ncdenr.gov. Thank you for your continued cooperation with this matter.

Sincerely,



Jaclynne Drummond
Compliance Hydrogeologist
Solid Waste Section

cc sent via email: Robert Hyatt, Davidson County Manager
 Mark Poindexter, Field Operations Supervisor
 Jason Watkins, Central District Supervisor
 Hugh Jernigan, Environmental Senior Specialist
 Shawn McKee, Compliance Officer